

# Vertical Autoclave



Ettore Darvi

**Vertical Autoclave** works on the principle of moist heat sterilization using pressurized steam to kill all forms of microbial life, including bacteria, viruses, fungi, and spores.

## Application :

- **Medical & Healthcare :** Used for sterilizing surgical instruments, syringes, dressing materials, and disinfecting used gloves, cotton, and linens.
- **Microbiology & Research Labs:** Sterilizes glassware, pipettes, petri dishes, and culture media.
- **Pharmaceutical & Biotechnology:** Sterilizes production tools, filters, and liquids. It maintains sterile clean room conditions.

## Benefits :

- **Space-Saving Design:** The vertical configuration is ideal for facilities with limited floor space, allowing easy placement in compact laboratories or clinics.
- **Efficient Sterilization:** Ensure uniform steam distribution for thorough sterilization of instruments, liquids, and lab ware with no cold spots.
- **Durable & Corrosion-Resistant:** Made from high-grade stainless steel for long-lasting performance
- **Low Maintenance:** Simple, modular design with easily replaceable parts ensures minimal downtime and low operating costs.



Product Description			
Model	Capacity	Inner Chamber	Outer Chamber
FT-VA-35L	35L	300 x 400 mm	480 x 460 x 850 mm
FT-VA-50L	50L	340 x 550 mm	520 x 520 x 980 mm
FT-VA-75L	75L	400 x 600 mm	560 x 580 x 980 mm
FT-VA-100L	100L	440 x 650 mm	590 x 590 x 1080 mm
FT-VA-120L	120L	480 x 660 mm	600 x 640 x 1140 mm
FT-VA-150L	150L	510 x 740 mm	670 x 690 x 1140 mm
Customized sizes available on request			



### Outer & Inner Chamber

Make up of Stainless Steel SS-304 Grade



### Pressure release Valve

Automatic or manual purging



### Microprocessor LCD Controller

Easy programming, display of set & present Temperature, Timer



### Radical Lock System

Easy to lock the chamber with no pressure leak



### Pressure Gauge

Real pressure shows inside the chamber



### Valve

Manual Water Removal

## TECHNICAL SPECIFICATIONS

Type	Vertical
Working	Semi-Automatic   Fully Automatic
Temperature Range	80°C to 130°C
Construction	Doubled   Triple-walled unit
Working Temperature	121°C
Locking System	Radial Lock
Purge	Manual   Automatic Release pressure
Working Pressure	15- 22psi (adjustable)
Time Scope	0-999min or 0-99hour59min
Audio & Visual Alarm	Low water   Cycle Complete   Door Alarm
Heat Accuracy	±1.0°C
Controller	PID Controller
Inner Chamber	Boiler made up of Stainless steel SS304   316
Outer Chamber	Stainless steel 304 grade
Power	220/230 volts AC

